Fig. 1

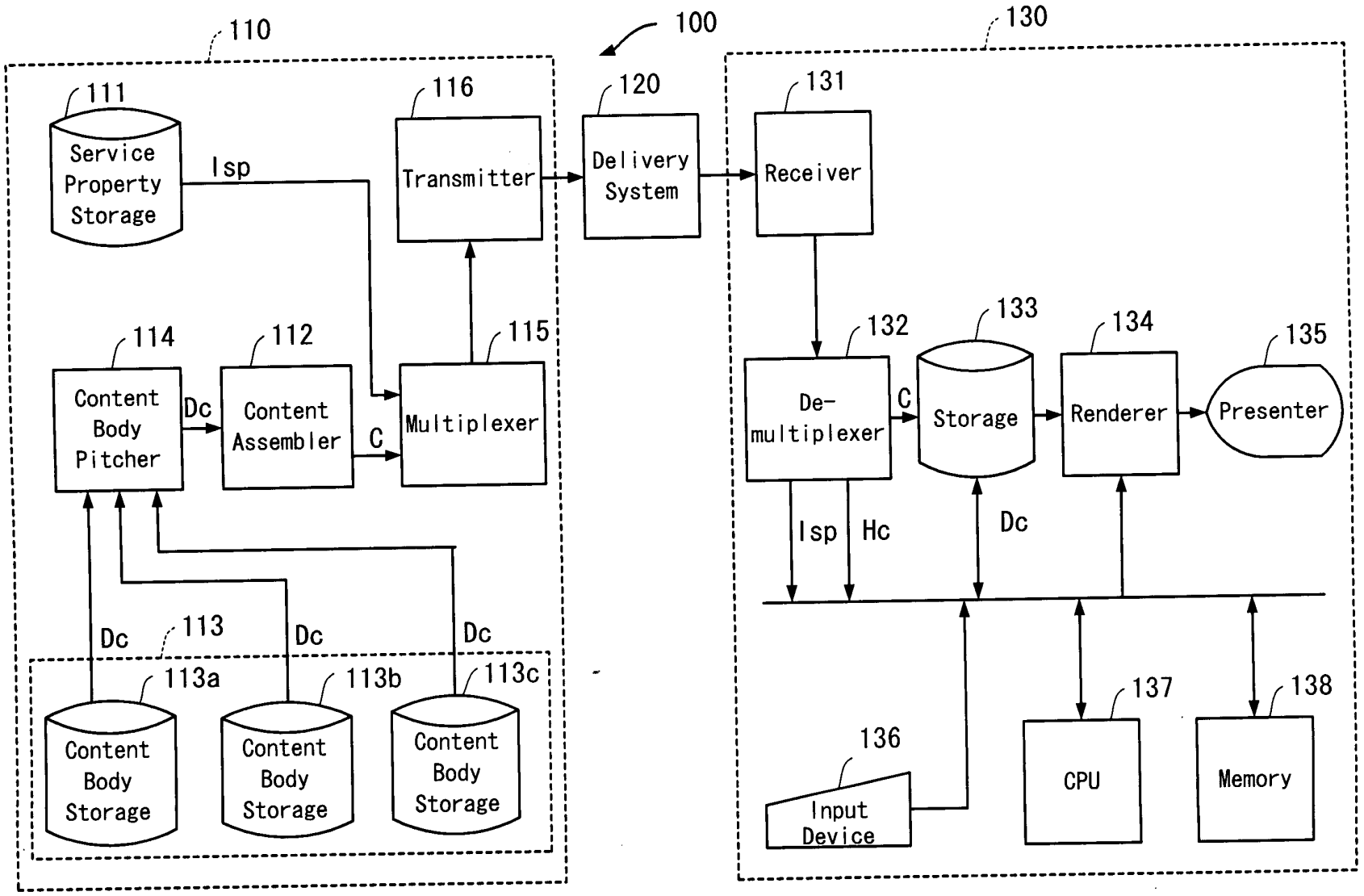

110
100
130
111
Service Property Storage
Isp
116
Transmitter
120
Delivery System
131
Receiver
114
Content Body Pitcher
Dc
112
Content Assembler
C
115
Multiplexer
132
De-multiplexer
C
133
Storage
134
Renderer
135
Presenter
Isp
Hc
Dc
Dc
113
Dc
Dc
113a
113b
113c
Content Body Storage
Content Body Storage
Content Body Storage
136
Input Device
CPU
137
Memory
138

Fig. 2

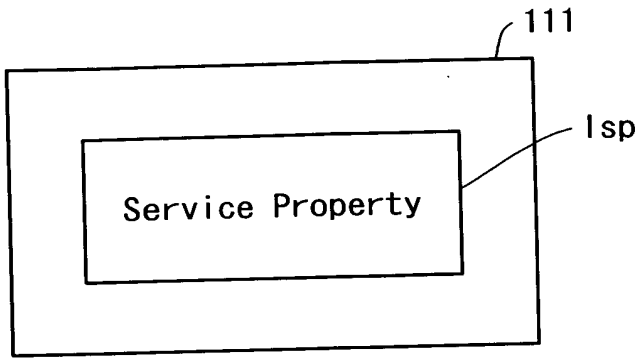

111
lsp
Service Property

Fig. 3

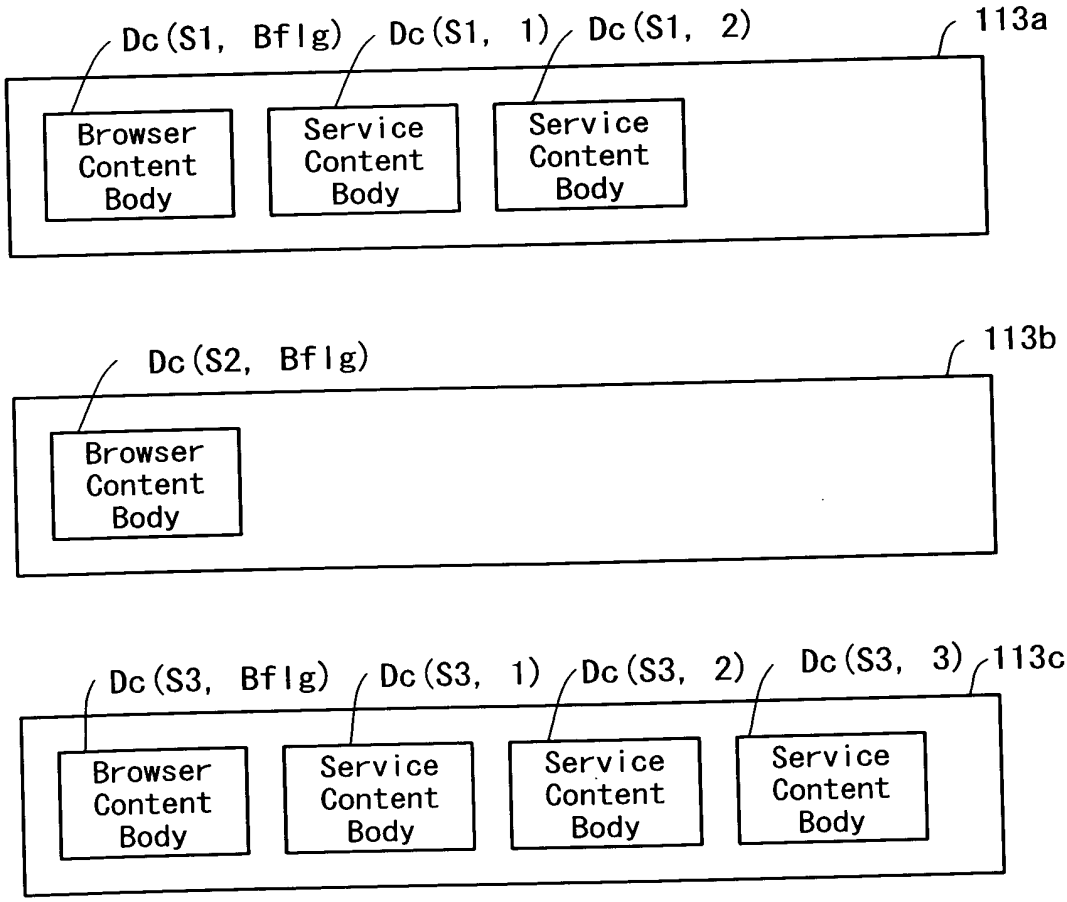
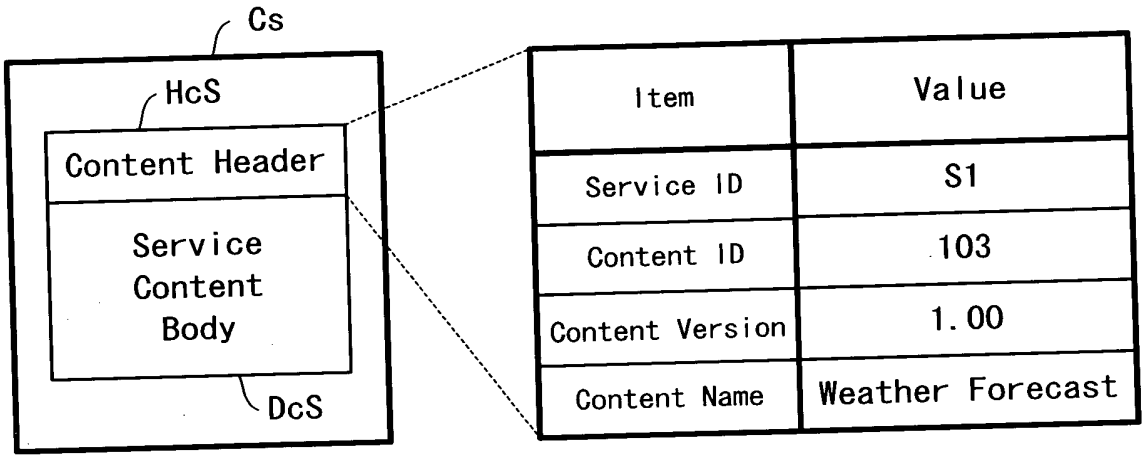

Dc(S1, Bflg)
Dc(S1, 1)
Dc(S1, 2)
113a
Browser Content Body
Service Content Body
Service Content Body
Dc(S2, Bflg)
113b
Browser Content Body
Dc(S3, Bflg)
Dc(S3, 1)
Dc(S3, 2)
Dc(S3, 3)
113c
Browser Content Body
Service Content Body
Service Content Body
Service Content Body

Fig. 4

Isp

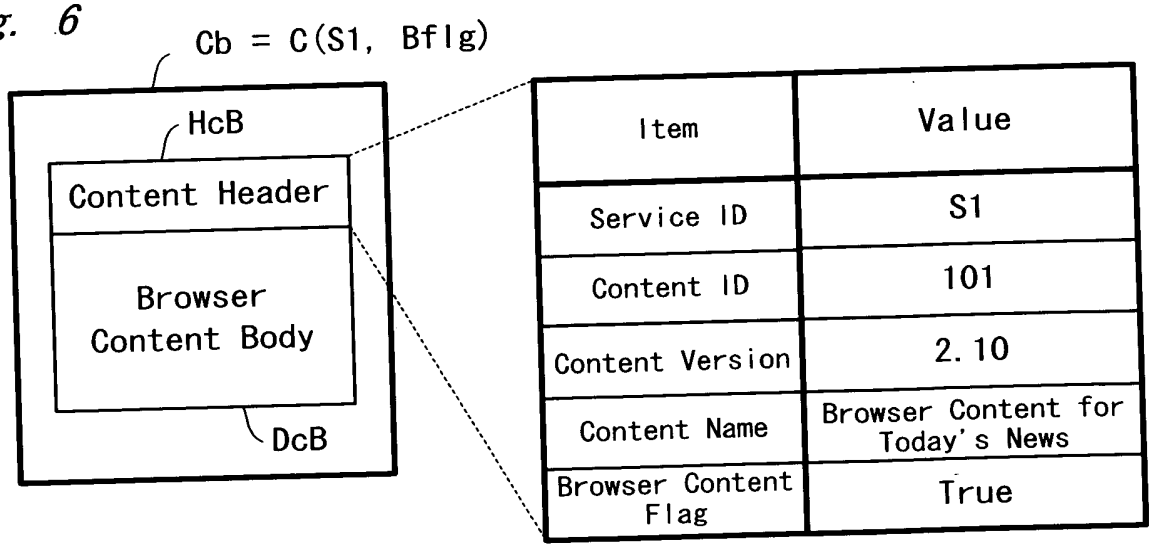
Service ID	Service Name
S 1	Today's News
S 2	Useful Information
S 3	New Car Guide

Fig. 5



Item	Value
Service ID	S1
Content ID	103
Content Version	1.00
Content Name	Weather Forecast

Fig. 6



Item	Value
Service ID	S1
Content ID	101
Content Version	2.10
Content Name	Browser Content for Today's News
Browser Content Flag	True

Fig. 7

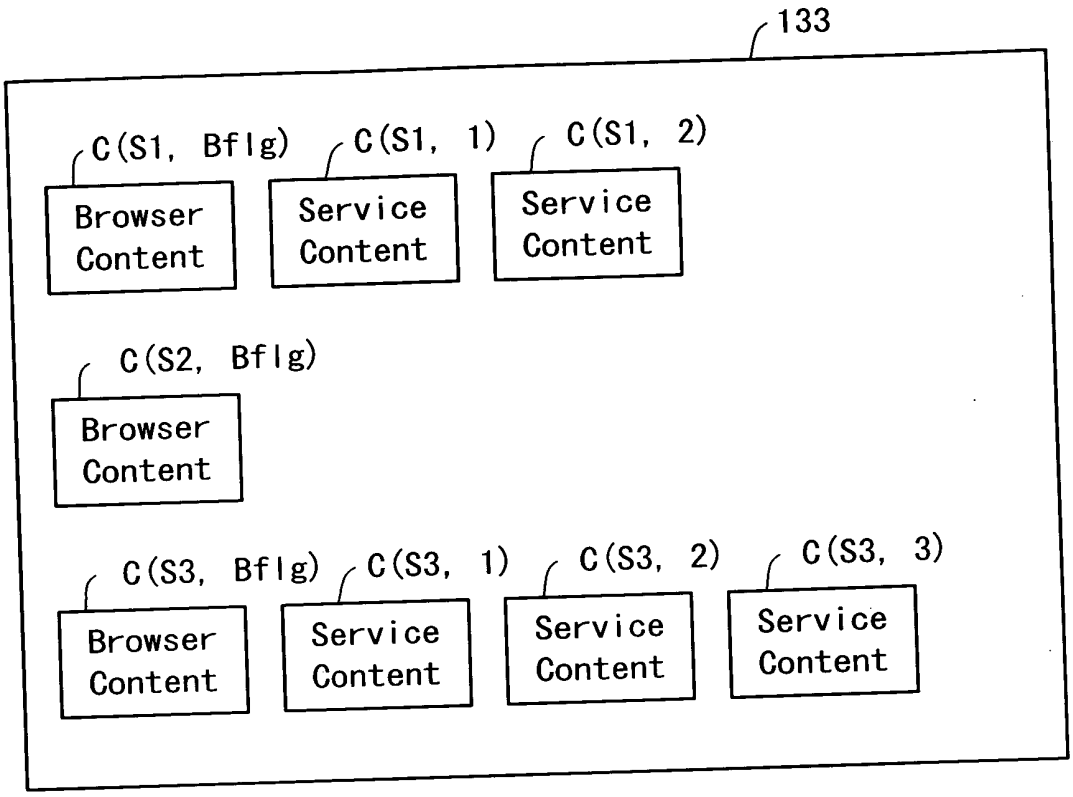

133
C(S1, Bflg)
Browser Content
C(S1, 1)
Service Content
C(S1, 2)
Service Content
C(S2, Bflg)
Browser Content
C(S3, Bflg)
Browser Content
C(S3, 1)
Service Content
C(S3, 2)
Service Content
C(S3, 3)
Service Content

Fig. 8

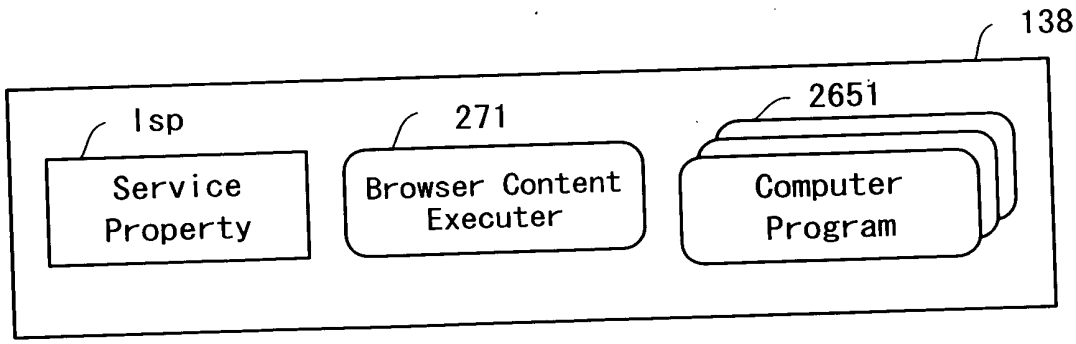

138
Isp
Service Property
271
Browser Content Executer
2651
Computer Program

Fig. 9

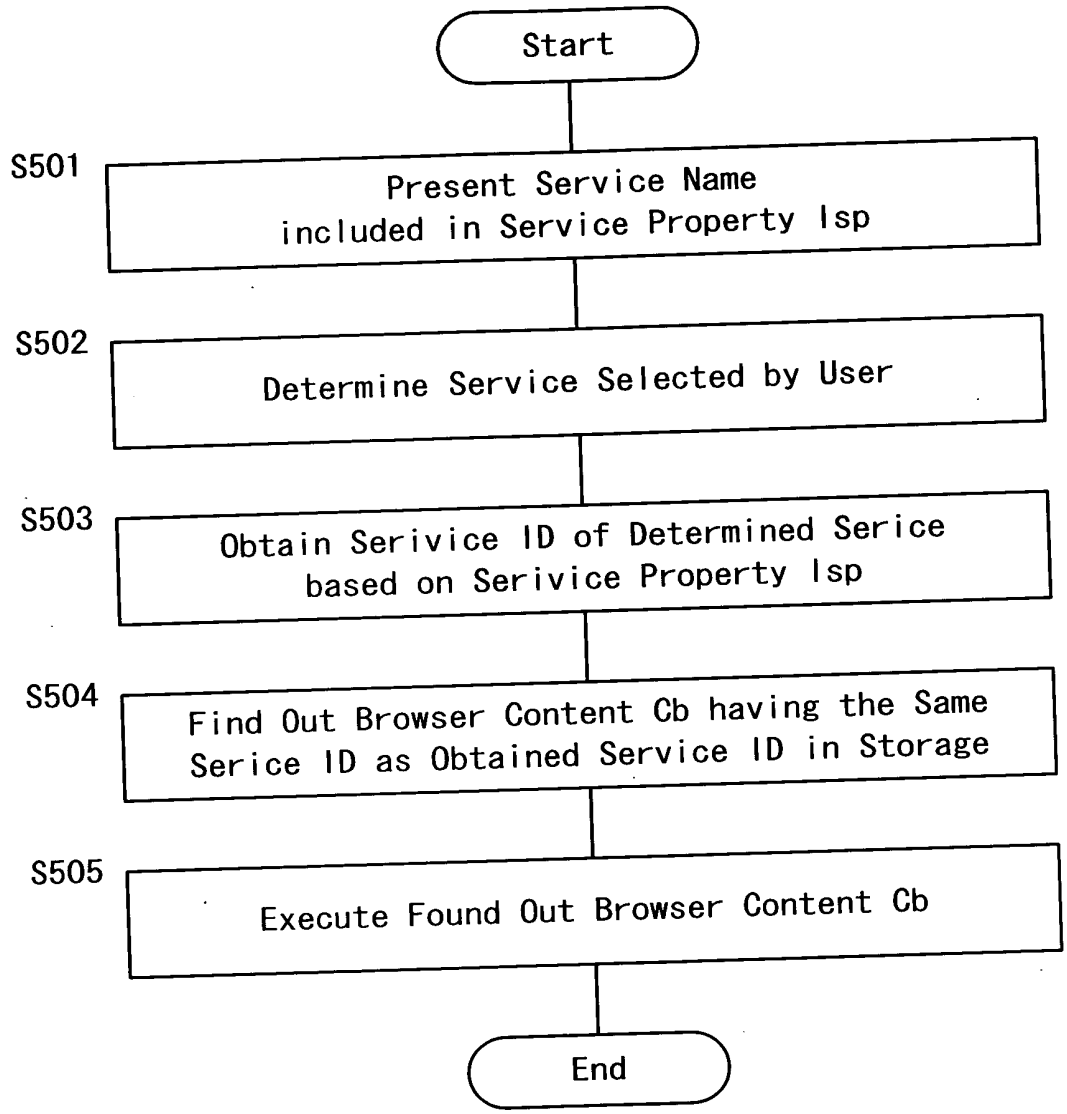

Start
S501
Present Service Name included in Service Property Isp
S502
Determine Service Selected by User
S503
Obtain Serivice ID of Determined Serice based on Serivice Property Isp
S504
Find Out Browser Content Cb having the Same Serice ID as Obtained Service ID in Storage
S505
Execute Found Out Browser Content Cb
End

Fig. 10

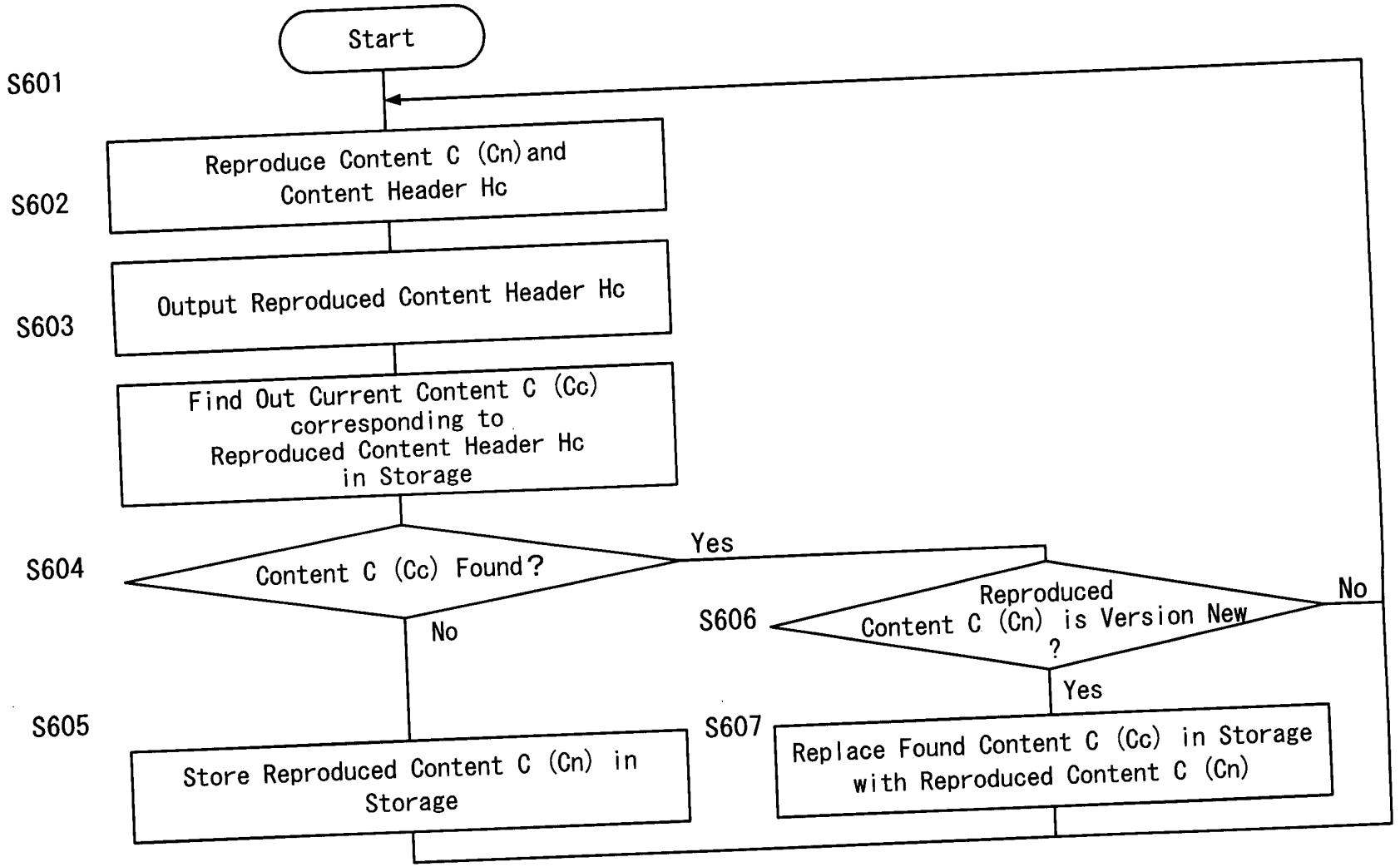

Start
S601
Reproduce Content C (Cn) and Content Header Hc
S602
Output Reproduced Content Header Hc
S603
Find Out Current Content C (Cc) corresponding to Reproduced Content Header Hc in Storage
S604
Content C (Cc) Found?
Yes
No
S606
Reproduced Content C (Cn) is Version New ?
No
Yes
S605
Store Reproduced Content C (Cn) in Storage
S607
Replace Found Content C (Cc) in Storage with Reproduced Content C (Cn)

Fig. 11

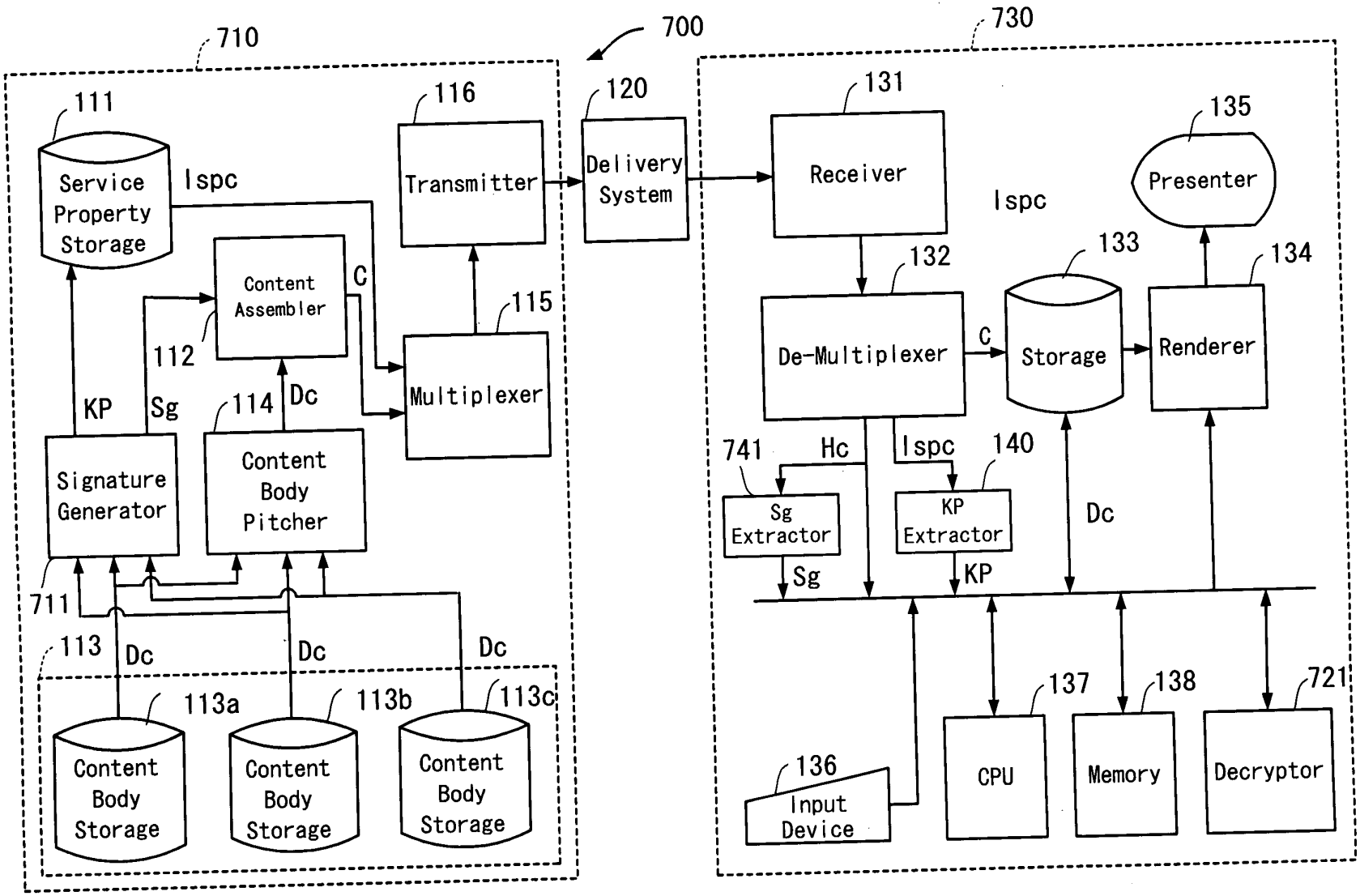
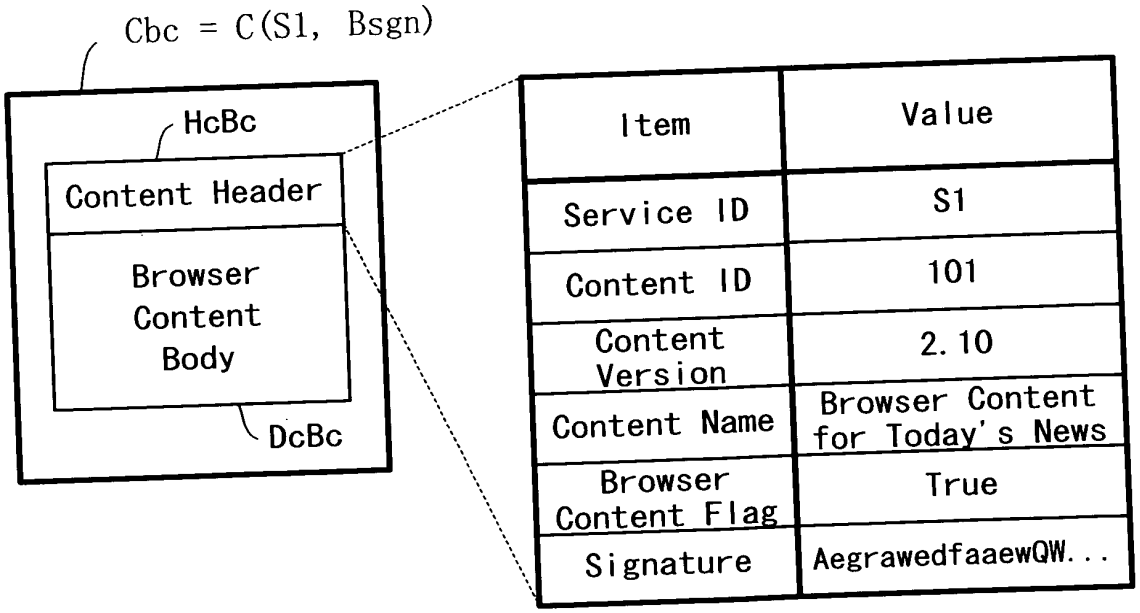

710
700
730
111
Service Property Storage
Ispc
116
Transmitter
120
Delivery System
131
Receiver
135
Presenter
Ispc
Content Assembler
C
112
115
Multiplexer
132
133
134
De-Multiplexer
C
Storage
Renderer
KP
Sg
114
Dc
Signature Generator
Content Body Pitcher
741
Hc
Ispc
140
Sg Extractor
KP Extractor
Dc
Sg
KP
711
113
Dc
Dc
Dc
113a
113b
113c
Content Body Storage
Content Body Storage
Content Body Storage
137
138
721
136
Input Device
CPU
Memory
Decryptor

Fig. 12

lspc

Service ID	Service Name	Public Key
S 1	Today's News	7uBJ8jbjUjBikj...
S 2	Useful Information	lllnn;pplhbn0l...
S 3	New Car Guide	lNopdoklOlpOp...

Fig. 13



Item	Value
Service ID	S1
Content ID	101
Content Version	2.10
Content Name	Browser Content for Today's News
Browser Content Flag	True
Signature	AegrawedfaaewQW...

Fig. 14

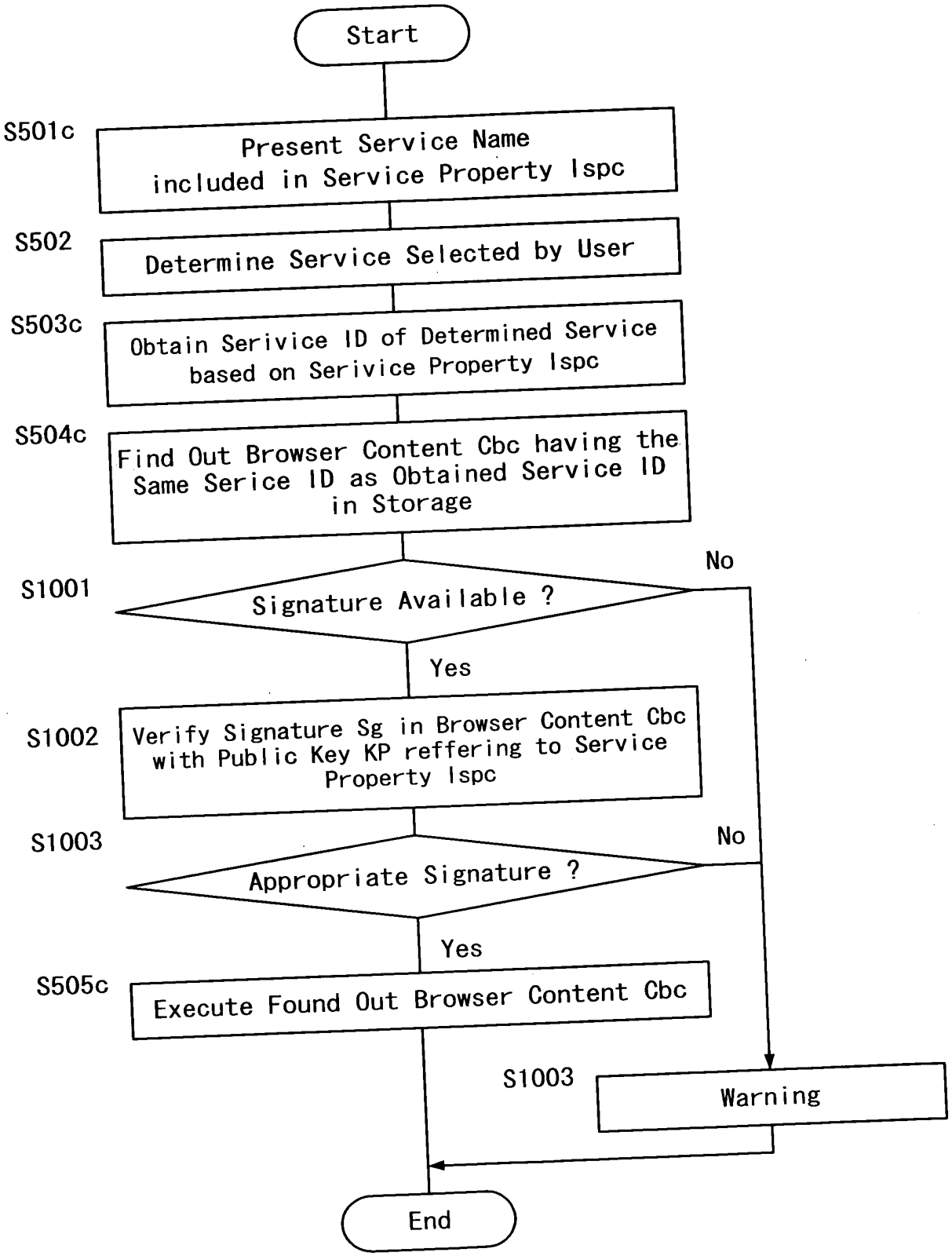

Start
S501c
Present Service Name included in Service Property Ispc
S502
Determine Service Selected by User
S503c
Obtain Serivice ID of Determined Service based on Serivice Property Ispc
S504c
Find Out Browser Content Cbc having the Same Serice ID as Obtained Service ID in Storage
S1001
Signature Available ?
No
Yes
S1002
Verify Signature Sg in Browser Content Cbc with Public Key KP reffering to Service Property Ispc
S1003
Appropriate Signature ?
No
Yes
S505c
Execute Found Out Browser Content Cbc
S1003
Warning
End

Fig. 15

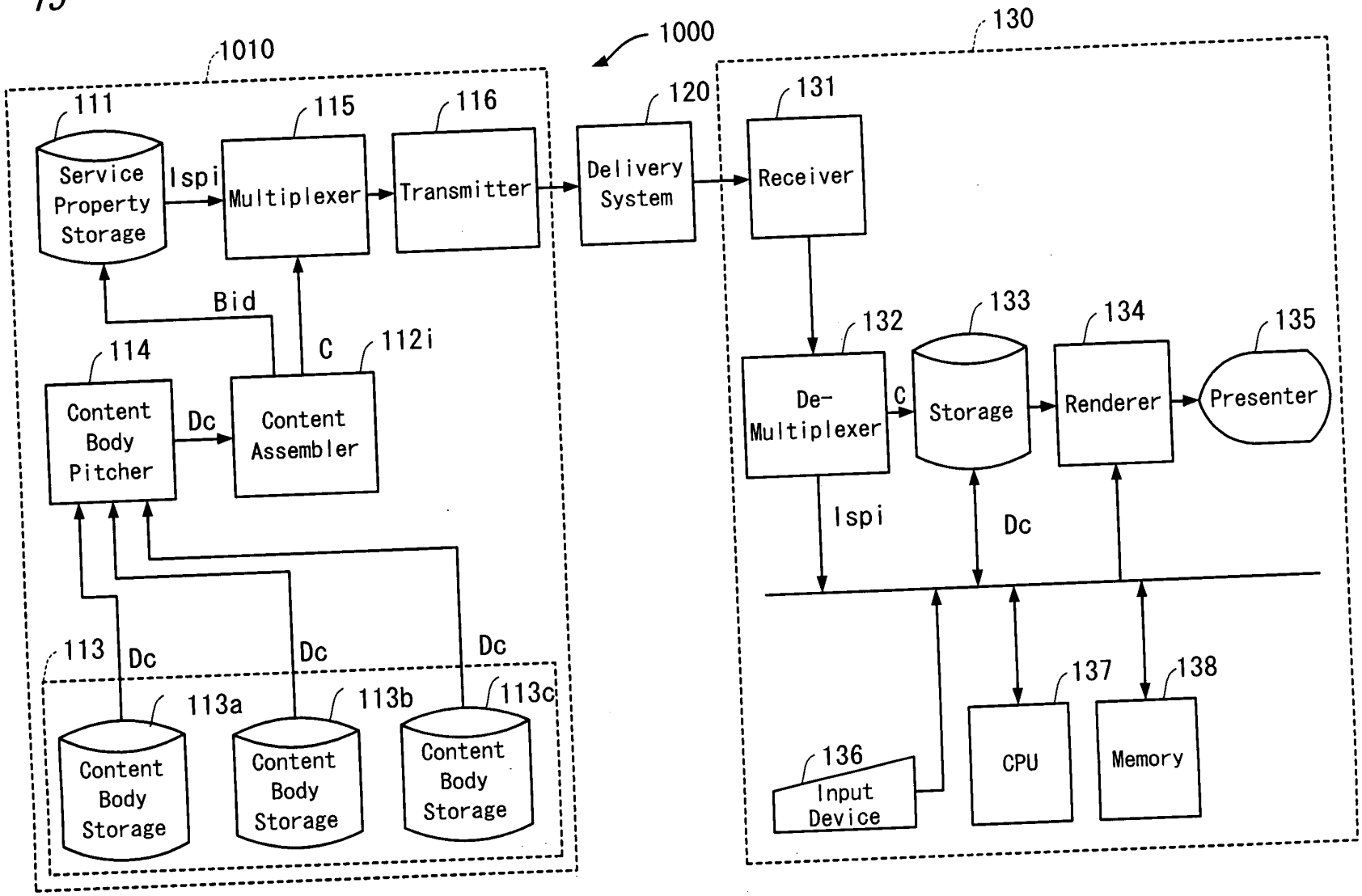

1000
1010
130
111
Service Property Storage
Ispi
115
Multiplexer
116
Transmitter
120
Delivery System
131
Receiver
Bid
C
112i
114
Content Body Pitcher
Dc
Content Assembler
132
De-Multiplexer
C
133
Storage
134
Renderer
135
Presenter
Ispi
Dc
113
Dc
Dc
Dc
113a
113b
113c
Content Body Storage
Content Body Storage
Content Body Storage
136
Input Device
CPU
137
Memory
138

Fig. 16

lspi

Service ID	Service Name	Browser Content Designator	
		Content ID	Content Version
S 1	Today's News	101	2.10
S 2	Useful Information	204	3.00
S 3	New Car Guide	312	1.10

Fig. 17

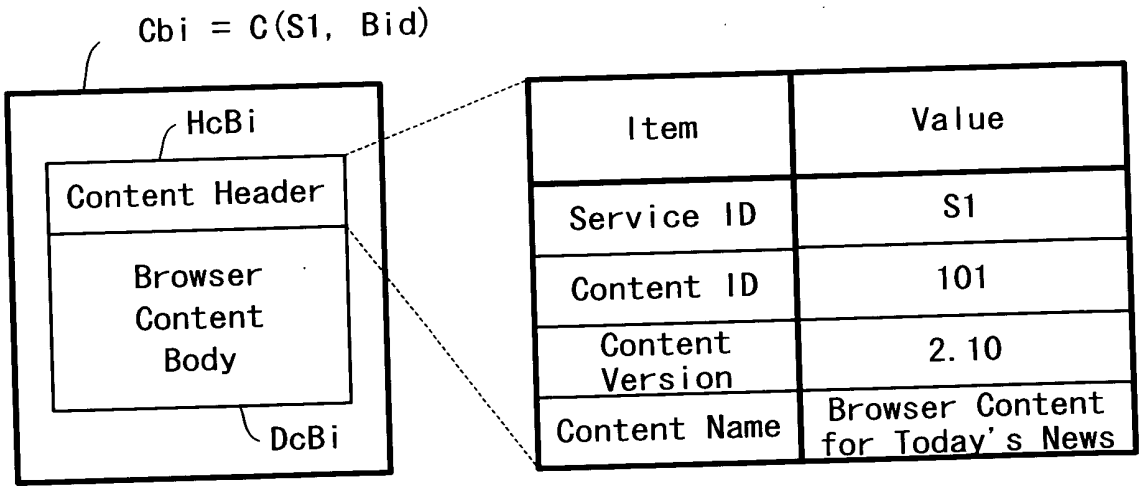


Fig. 18

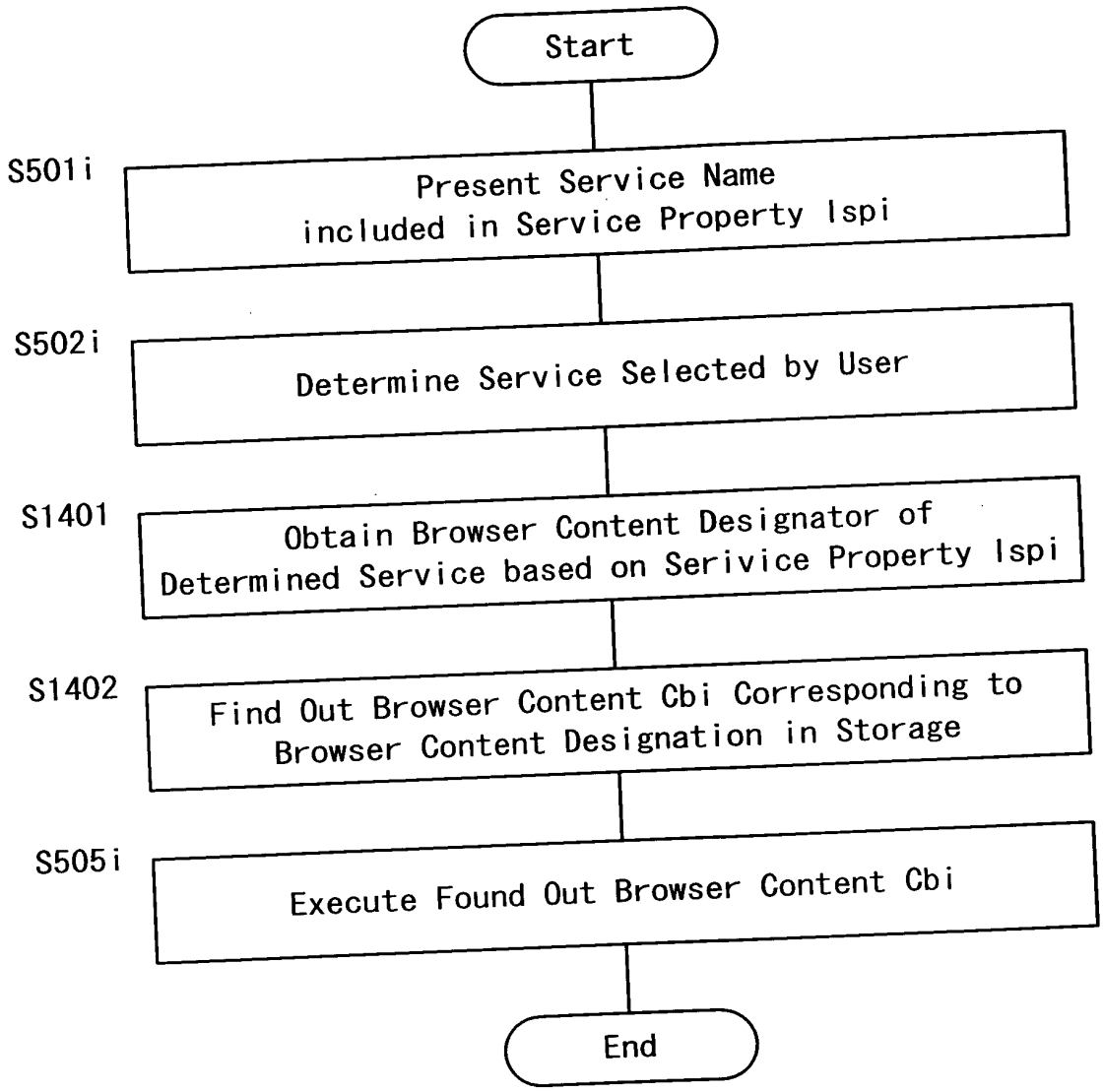

Start
S501i
Present Service Name
included in Service Property Ispi
S502i
Determine Service Selected by User
S1401
Obtain Browser Content Designator of
Determined Service based on Serivice Property Ispi
S1402
Find Out Browser Content Cbi Corresponding to
Browser Content Designation in Storage
S505i
Execute Found Out Browser Content Cbi
End

Fig. 19

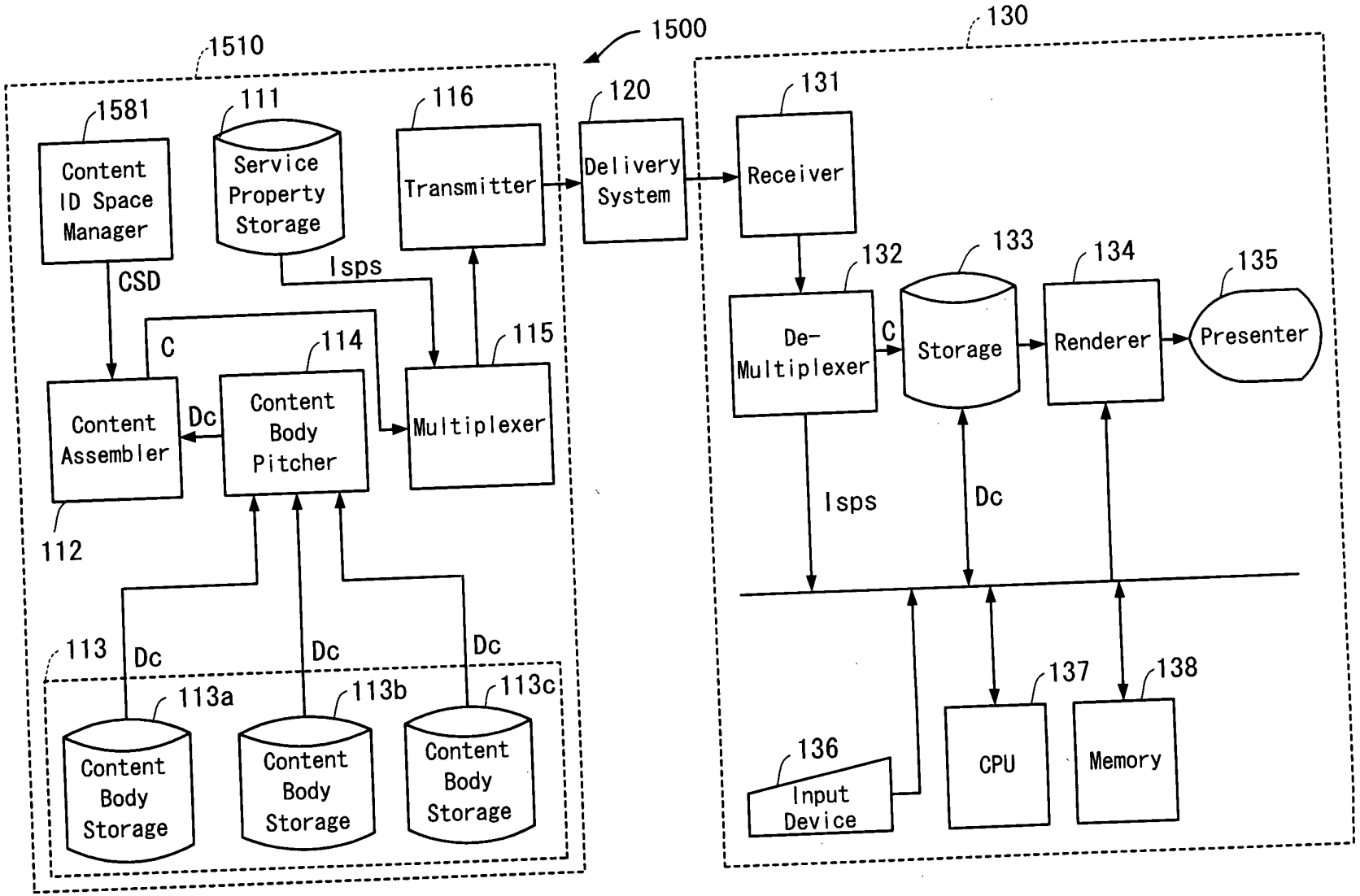

1510
1500
130
1581
Content ID Space Manager
111
Service Property Storage
116
Transmitter
120
Delivery System
131
Receiver
CSD
Isps
C
114
115
Content Assembler
Dc
Content Body Pitcher
Multiplexer
112
132
De-Multiplexer
C
133
Storage
134
Renderer
135
Presenter
Isps
Dc
113
Dc
Dc
Dc
113a
113b
113c
Content Body Storage
Content Body Storage
Content Body Storage
136
Input Device
CPU
137
Memory
138

Fig. 20

Isps

Service ID	Service Name
S 1	Today's News
S 2	Useful Information
S 3	New Car Guide

Fig. 21

CSD

Content ID Range	Type	Service ID
0 ~ 99	Browser Content	-
100 ~ 199	Service Content	S 1
200 ~ 299	Service Content	S 2
300 ~ 399	Service Content	S 3

Fig. 22

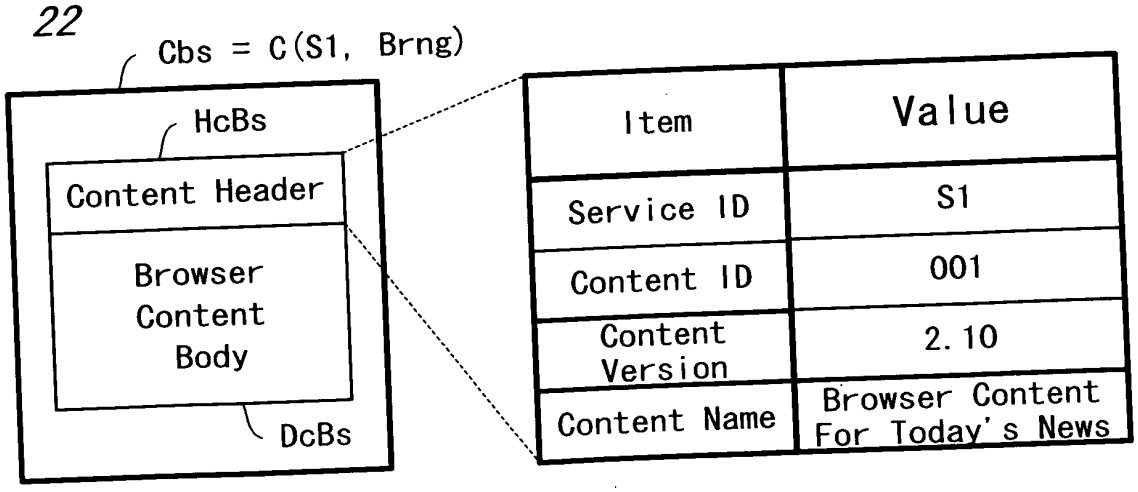


Fig. 23

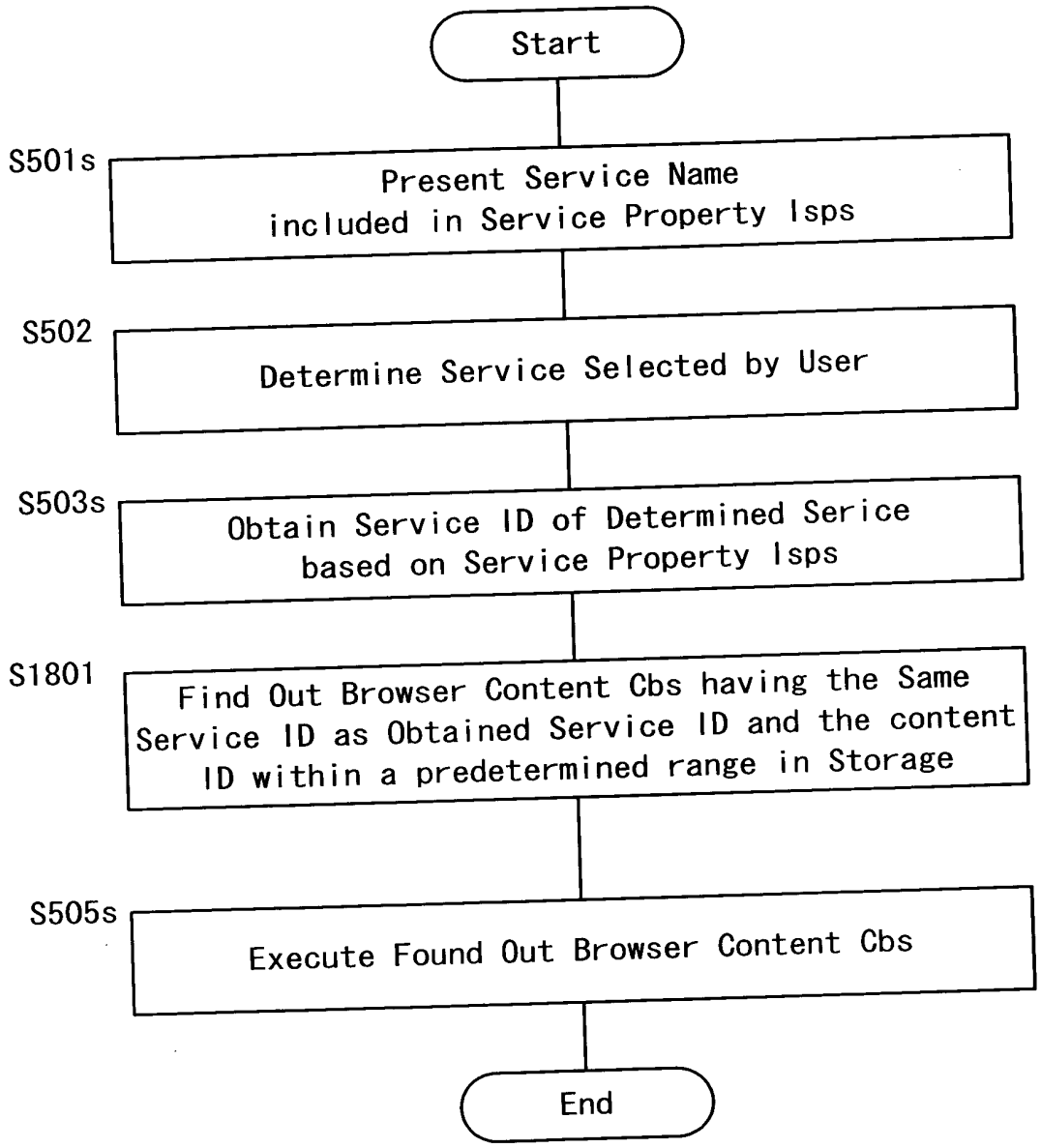

Start
S501s
Present Service Name included in Service Property Isps
S502
Determine Service Selected by User
S503s
Obtain Service ID of Determined Serice based on Service Property Isps
S1801
Find Out Browser Content Cbs having the Same Service ID as Obtained Service ID and the content ID within a predetermined range in Storage
S505s
Execute Found Out Browser Content Cbs
End

Fig. 24 Prior Art

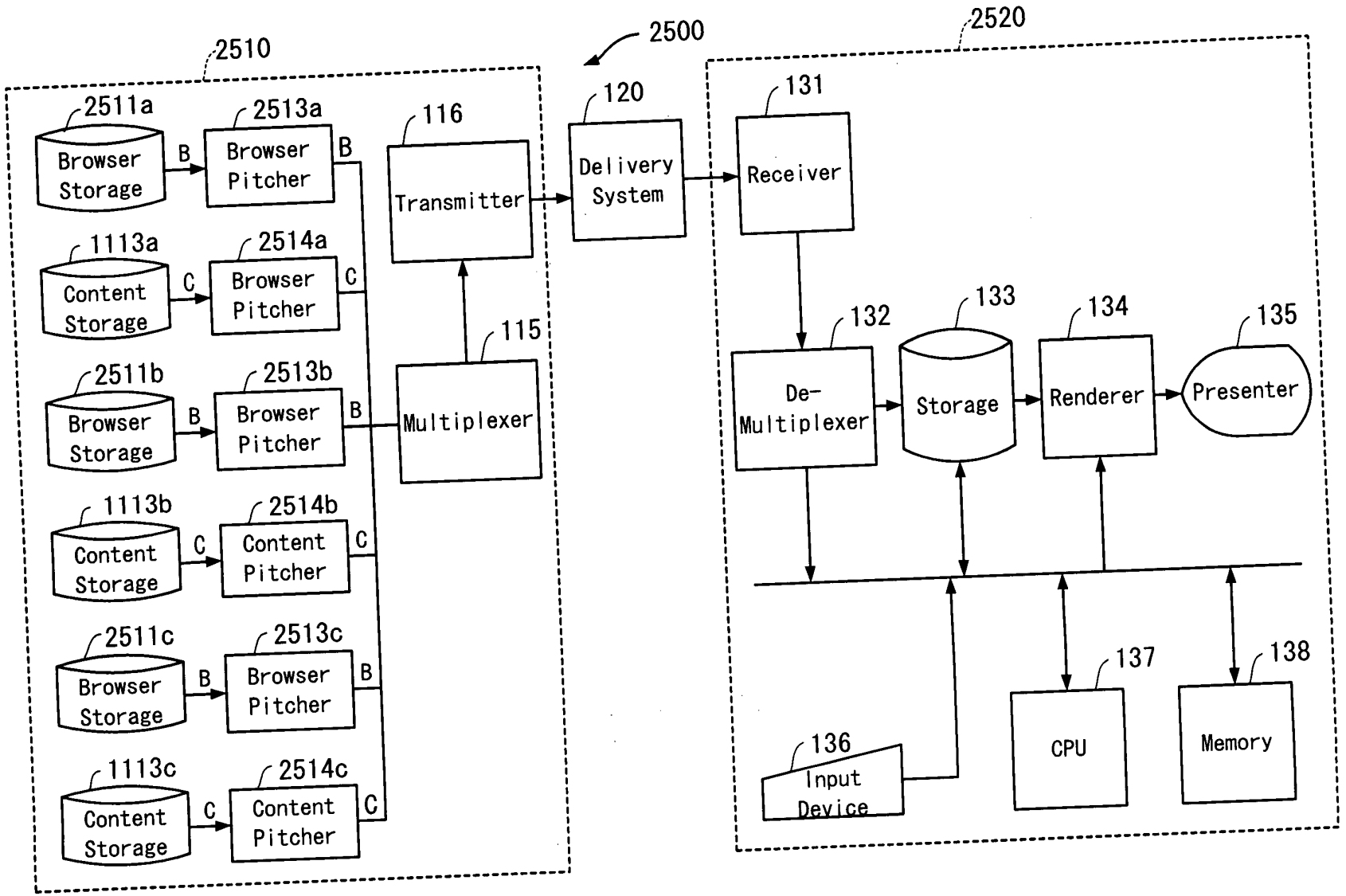


Fig. 25 Prior Art

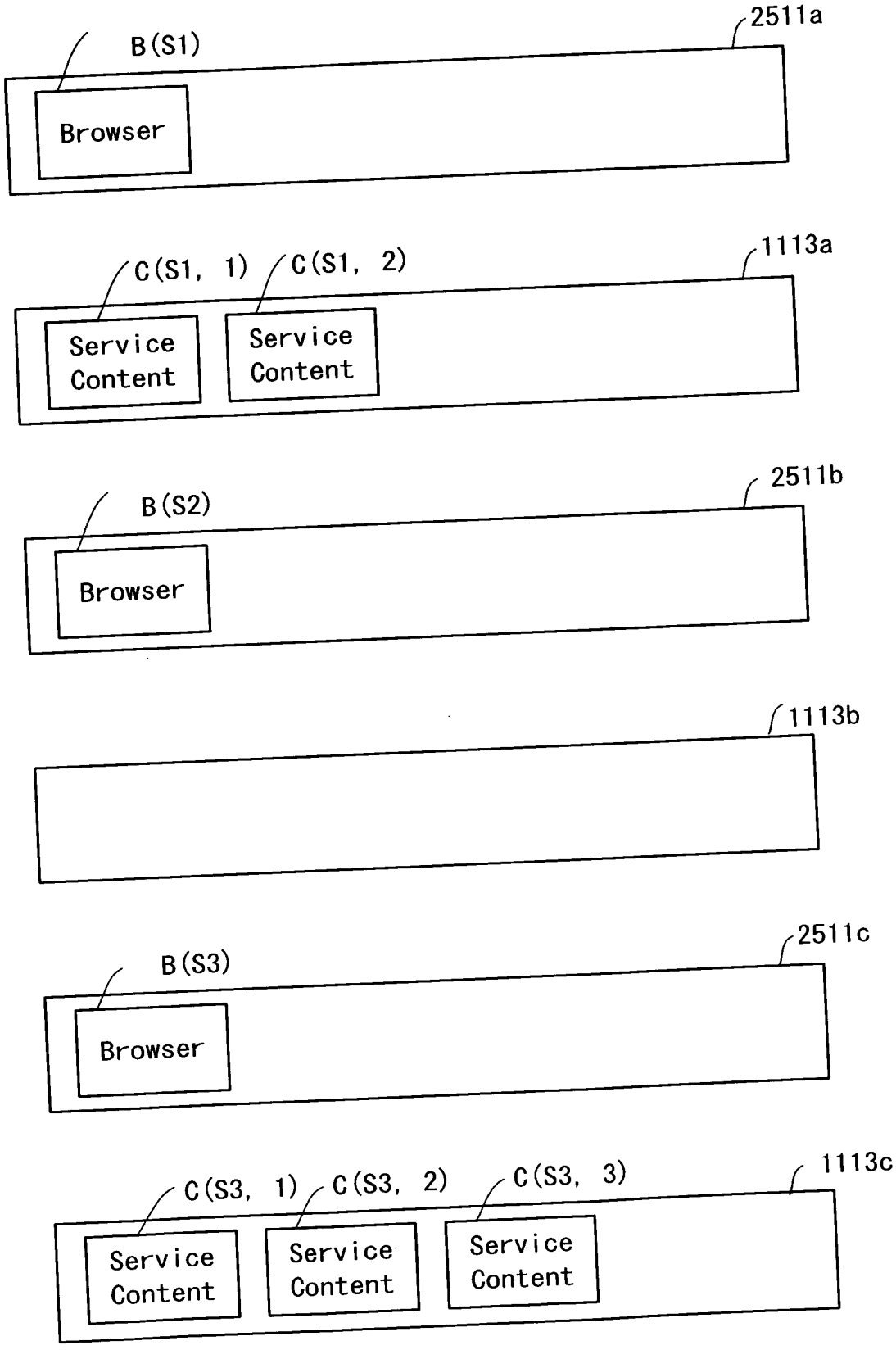


Fig. 26 Prior Art

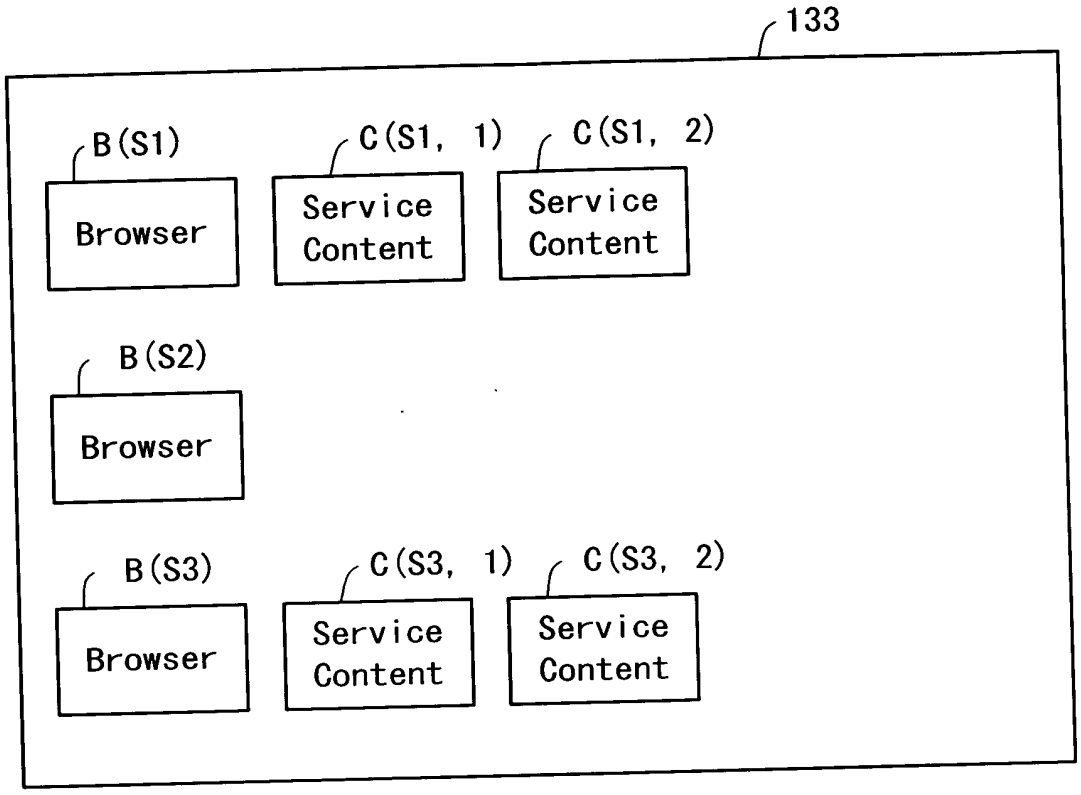


Fig. 27 Prior Art

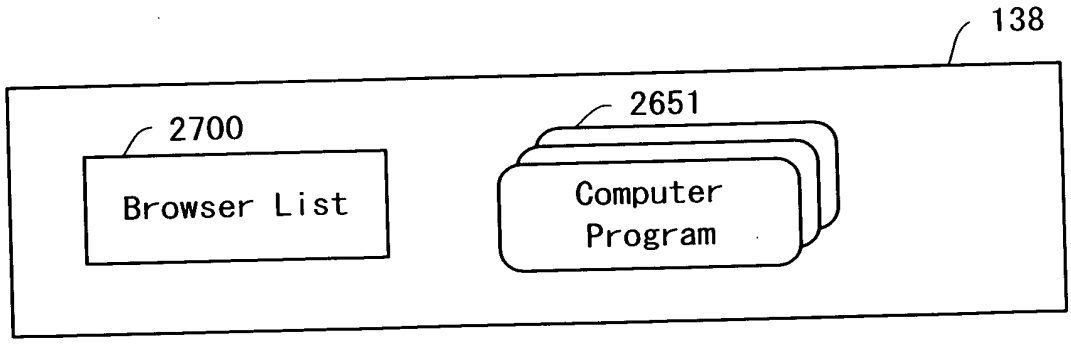


Fig. 28 Prior Art

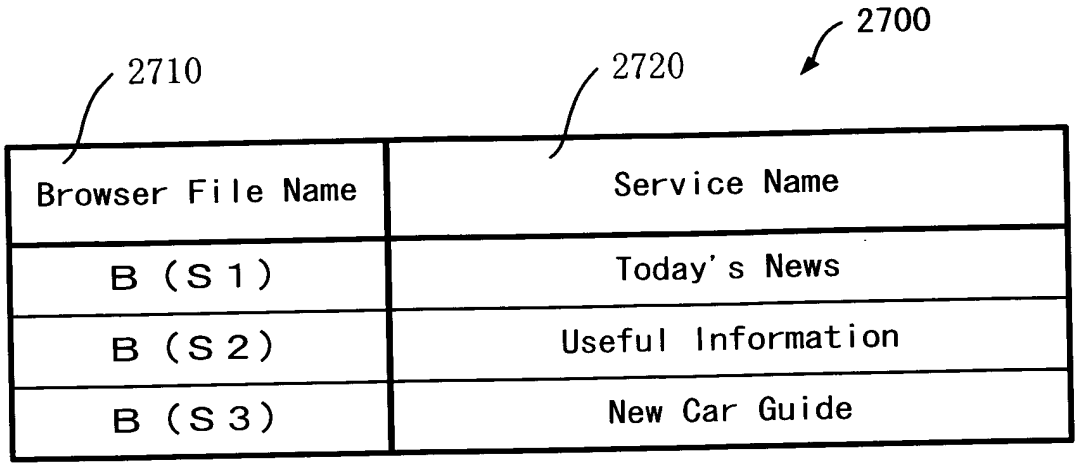


Fig. 29 Prior Art

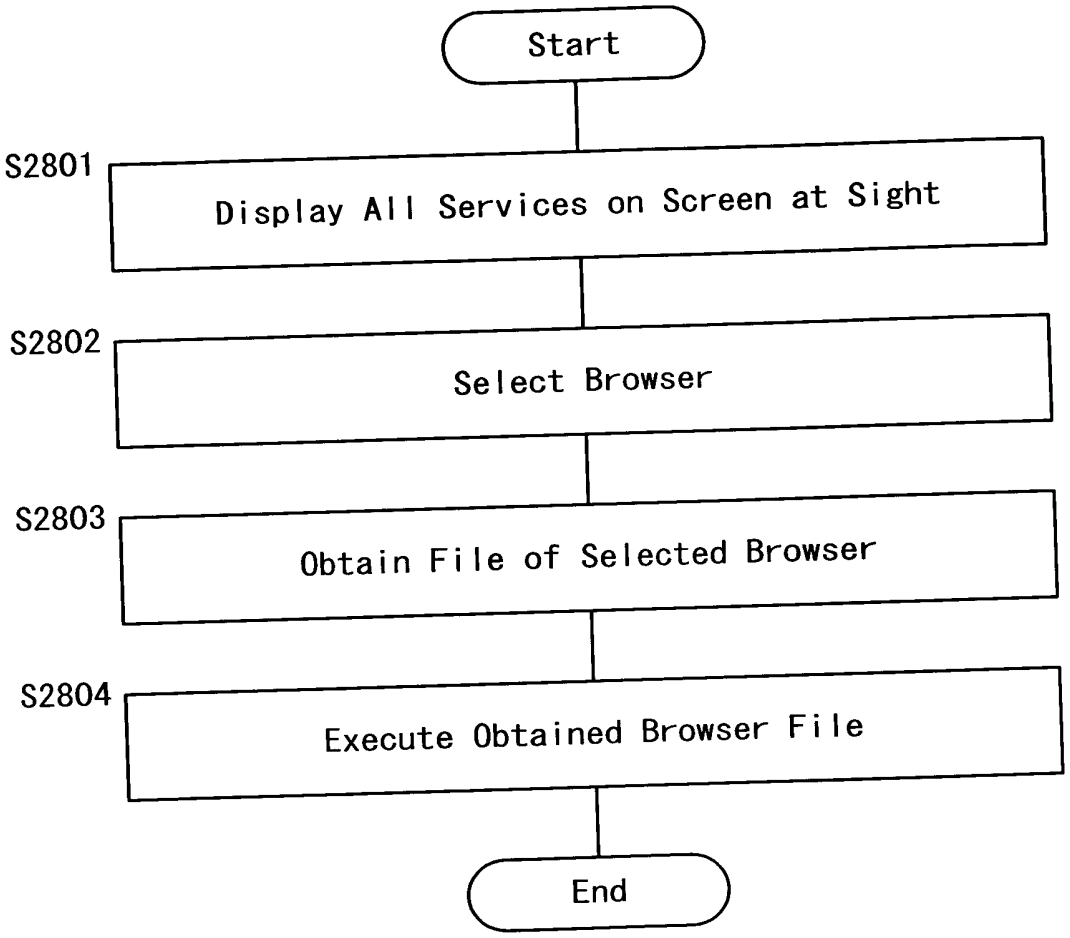
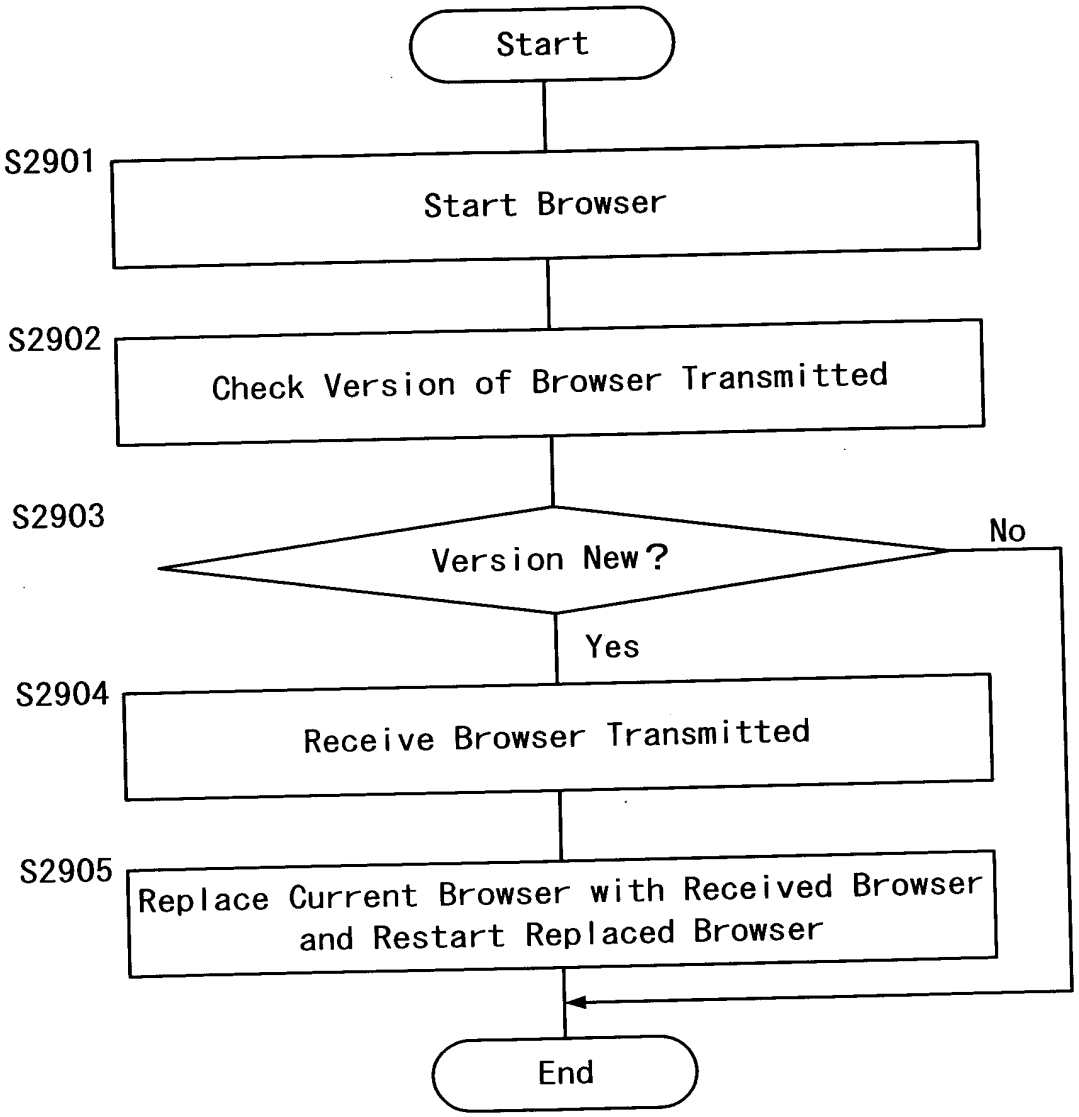



Fig. 30 Prior Art